

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-18 (Cancelled)

Claim 19 (New): An isolated polypeptide having phospholipase A2 activity, which is encoded by a nucleic acid sequence which hybridizes to the full complement of SEQ ID NO: 29 under stringent conditions,

wherein stringent conditions comprise heating at 42°C in 6XSSC, 0.5% SDS and 50% formamide and washing at 68°C in 0.1X SSC and 0.5% SDS.

Claim 20 (New): The isolated polypeptide of Claim 19 which is encoded by SEQ ID NO: 29 or by a fragment thereof.

Claim 21 (New): The isolated polypeptide of Claim 19 which comprises SEQ ID NO: 30.

Claim 22 (New): The isolated polypeptide of Claim 19 which comprises residues 1 (Asn) to 123 (Cys) of SEQ ID NO: 30.

Claim 23 (New): The isolated polypeptide of Claim 19 which has been expressed by a prokaryotic cell.

Claim 24 (New): The isolated polypeptide of Claim 19 which has been expressed by a eukaryotic cell.

Claim 25 (New): The isolated polypeptide of Claim 19 which has been expressed by an insect cell.

Claim 26 (New): The isolated polypeptide of Claim 19 which has been expressed by a mammalian cell.

Claim 27 (New): The isolated polypeptide of Claim 19 in immobilized form.

Claim 28 (New): A kit comprising the isolated polypeptide of Claim 19.

Claim 29 (New): A method for detecting antibody in a sample that binds to phospholipase A2 comprising:

contacting a sample with the isolated polypeptide of Claim 19, and
determining the amount of antibody binding to said isolated polypeptide.

Claim 30 (New): A method for making an antibody that binds to phospholipase A2 comprising:

immunizing an animal with the isolated polypeptide of Claim 19.

Claim 31 (New): A method for identifying a compound which inhibits phospholipase A2 activity comprising:

contacting a test compound with the isolated polypeptide of Claim 19 for a time and under conditions suitable for determining phospholipase activity,
determining the amount of phospholipase activity, and
comparing the amount of phospholipase activity obtained with the amount of phospholipase activity of the isolated polypeptide in the absence of said test compound.